RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/538,197
Source: IFWP
Date Processed by STIC: 7/31/06

ENTERED

IFWP

RAW SEQUENCE LISTING DATE: 07/31/2006
PATENT APPLICATION: **US/10/538,197** TIME: 14:26:29

Input Set : **A:\As filed.txt**
Output Set: **N:\CRF4\07312006\J538197.raw**

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      3 <110> APPLICANT: Inpharmatica Limited
      5 <120> TITLE OF INVENTION: Serine Protease
      7 <130> FILE REFERENCE: P032668WO
C-->  9 <140> CURRENT APPLICATION NUMBER: US/10/538,197
C--> 10 <141> CURRENT FILING DATE: 2005-06-09
     12 <150> PRIOR APPLICATION NUMBER: GB 0228957.7
     13 <151> PRIOR FILING DATE: 2002-12-11
     15 <160> NUMBER OF SEQ ID NOS: 26
     17 <170> SOFTWARE: SeqWin99, version 1.02
     19 <210> SEQ ID NO: 1
     20 <211> LENGTH: 58
     21 <212> TYPE: DNA
     22 <213> ORGANISM: Homo sapiens
     24 <400> SEQUENCE: 1
     25 atgaagtggt gctggggccc agtgctgctc atcgcgggtg ccacagtcct catggagg     58
     27 <210> SEQ ID NO: 2
     28 <211> LENGTH: 20
     29 <212> TYPE: PRT
     30 <213> ORGANISM: Homo sapiens
     32 <400> SEQUENCE: 2
     33 Met Lys Trp Cys Trp Gly Pro Val Leu Leu Ile Ala Gly Ala Thr Val
     34 1               5                  10                  15
     36 Leu Met Glu Gly
     37             20
     39 <210> SEQ ID NO: 3
     40 <211> LENGTH: 21
     41 <212> TYPE: DNA
     42 <213> ORGANISM: Homo sapiens
     44 <400> SEQUENCE: 3
     45 gtcttcaagc cgctcagcgt g                                            21
     47 <210> SEQ ID NO: 4
     48 <211> LENGTH: 7
     49 <212> TYPE: PRT
     50 <213> ORGANISM: Homo sapiens
     52 <400> SEQUENCE: 4
     53 Leu Gln Ala Ala Gln Arg Ala
     54 1               5
     56 <210> SEQ ID NO: 5
     57 <211> LENGTH: 163
     58 <212> TYPE: DNA
     59 <213> ORGANISM: Homo sapiens
     61 <400> SEQUENCE: 5
     62 cctgtggaca gcgtggcccc ggccccccca agcctcagga gggcaacaca gtccctggcg   60
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```
63 agtggccctg gcaggccagt gtgaggaggc aaggagccca catctgcagc ggctccctgg   120
64 tggcagacac ctgggtcctc actgctgccc actgctttga aaa                    163
66 <210> SEQ ID NO: 6
67 <211> LENGTH: 54
68 <212> TYPE: PRT
69 <213> ORGANISM: Homo sapiens
71 <400> SEQUENCE: 6
72 Cys Gly Gln Arg Gly Pro Gly Pro Pro Lys Pro Gln Glu Gly Asn Thr
73 1               5                   10                  15
75 Val Pro Gly Glu Trp Pro Trp Gln Ala Ser Val Arg Arg Gln Gly Ala
76             20                  25                  30
78 His Ile Cys Ser Gly Ser Leu Val Ala Asp Thr Trp Val Leu Thr Ala
79         35                  40                  45
81 Ala His Cys Phe Glu Lys
82     50
84 <210> SEQ ID NO: 7
85 <211> LENGTH: 266
86 <212> TYPE: DNA
87 <213> ORGANISM: Homo sapiens
89 <400> SEQUENCE: 7
90 ggcagcagca acagaactga attcctggtc agtggtcctg ggttctctgc agcgtgaggg   60
91 actcagccct ggggccgaag aggtgggggt ggctgccctg cagttgccca gggcctataa   120
92 ccactacagc cagggctcag acctggccct gctgcagctc gcccacccca cgacccacac   180
93 acccctctgc ctgccccagc ccgcccatcg cttccccttt ggagcctcct gctgggccac   240
94 tggctgggat caggacacca gtgatg                                       266
96 <210> SEQ ID NO: 8
97 <211> LENGTH: 89
98 <212> TYPE: PRT
99 <213> ORGANISM: Homo sapiens
101 <400> SEQUENCE: 8
102 Ala Ala Ala Thr Glu Leu Asn Ser Trp Ser Val Val Leu Gly Ser Leu
103 1               5                   10                  15
105 Gln Arg Glu Gly Leu Ser Pro Gly Ala Glu Glu Val Gly Val Ala Ala
106             20                  25                  30
108 Leu Gln Leu Pro Arg Ala Tyr Asn His Tyr Ser Gln Gly Ser Asp Leu
109         35                  40                  45
111 Ala Leu Leu Gln Leu Ala His Pro Thr Thr His Thr Pro Leu Cys Leu
112     50                  55                  60
114 Pro Gln Pro Ala His Arg Phe Pro Phe Gly Ala Ser Cys Trp Ala Thr
115 65                  70                  75                  80
117 Gly Trp Asp Gln Asp Thr Ser Asp Ala
118                 85
120 <210> SEQ ID NO: 9
121 <211> LENGTH: 155
122 <212> TYPE: DNA
123 <213> ORGANISM: Homo sapiens
125 <400> SEQUENCE: 9
126 ctcctgggac cctacgcaat ctgcgcctgc gtctcatcag tcgccccaca tgtaactgta   60
127 tctacaacca gctgcaccag cgacacctgt ccaacccggc ccggcctggg atgctatgtg   120
```

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PATENT APPLICATION: US/10/538,197 TIME: 14:26:29

Input Set : A:\As filed.txt
Output Set: N:\CRF4\07312006\J538197.raw

ggggccccca gcctggggtg cagggcccct gtcag 155

<210> SEQ ID NO: 10
<211> LENGTH: 51
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 10

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Pro Gly Thr Leu Arg Asn Leu Arg Leu Arg Leu Ile Ser Arg Pro Thr
1               5                   10                  15
Cys Asn Cys Ile Tyr Asn Gln Leu His Gln Arg His Leu Ser Asn Pro
            20                  25                  30
Ala Arg Pro Gly Met Leu Cys Gly Gly Pro Gln Pro Gly Val Gln Gly
        35                  40                  45
Pro Cys Gln
    50
```

<210> SEQ ID NO: 11
<211> LENGTH: 220
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 11

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ggagattccg ggggccctgt gctgtgcctc gagcctgacg gacactgggt tcaggctggc   60
atcatcagct ttgcatcaag ctgtgcccag gaggacgctc ctgtgctgct gaccaacaca   120
gctgctcaca gttcctggct gcaggctcga gttcaggggg cagctttcct ggcccagagc   180
ccagagaccc cggagatgag tgatgaggac agctgtgtag                         220
```

<210> SEQ ID NO: 12
<211> LENGTH: 74
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 12

```
Gly Asp Ser Gly Gly Pro Val Leu Cys Leu Glu Pro Asp Gly His Trp
1               5                   10                  15
Val Gln Ala Gly Ile Ile Ser Phe Ala Ser Ser Cys Ala Gln Glu Asp
            20                  25                  30
Ala Pro Val Leu Leu Thr Asn Thr Ala Ala His Ser Ser Trp Leu Gln
        35                  40                  45
Ala Arg Val Gln Gly Ala Ala Phe Leu Ala Gln Ser Pro Glu Thr Pro
    50                  55                  60
Glu Met Ser Asp Glu Asp Ser Cys Val Ala
65                  70
```

<210> SEQ ID NO: 13
<211> LENGTH: 151
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 13

```
cctgtggatc cttgaggaca gcaggtcccc aggcaggagc accctcccca tggccctggg   60
aggccaggct gatgcaccag ggacagctgg cctgtggcgg agccctggtg tcagaggagg   120
cggtgctaac tgctgcccac tgcttcattg g                                  151
```

<210> SEQ ID NO: 14
<211> LENGTH: 50
<212> TYPE: PRT

RAW SEQUENCE LISTING DATE: 07/31/2006
PATENT APPLICATION: **US/10/538,197** TIME: 14:26:29

Input Set : **A:\As filed.txt**
Output Set: **N:\CRF4\07312006\J538197.raw**

<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 14
Cys Gly Ser Leu Arg Thr Ala Gly Pro Gln Ala Gly Ala Pro Ser Pro
1 5 10 15
Trp Pro Trp Glu Ala Arg Leu Met His Gln Gly Gln Leu Ala Cys Gly
20 25 30
Gly Ala Leu Val Ser Glu Glu Ala Val Leu Thr Ala Ala His Cys Phe
35 40 45
Ile Gly
50
<210> SEQ ID NO: 15
<211> LENGTH: 245
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 15
gcgccaggcc ccagaggaat ggagcgtagg gctggggacc agaccggagg agtggggcct 60
gaagcagctc atcctgcatg gagcctacac ccaccctgag gggggctacg acatggccct 120
cctgctgctg gcccagcctg tgacactggg agccagcctg cggcccctct gcctgcccta 180
tcctgaccac cacctgcctg atggggagcg tggctgggtt ctgggacggg cccgcccagg 240
agcag 245
<210> SEQ ID NO: 16
<211> LENGTH: 82
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 16
Arg Gln Ala Pro Glu Glu Trp Ser Val Gly Leu Gly Thr Arg Pro Glu
1 5 10 15
Glu Trp Gly Leu Lys Gln Leu Ile Leu His Gly Ala Tyr Thr His Pro
20 25 30
Glu Gly Gly Tyr Asp Met Ala Leu Leu Leu Leu Ala Gln Pro Val Thr
35 40 45
Leu Gly Ala Ser Leu Arg Pro Leu Cys Leu Pro Tyr Pro Asp His His
50 55 60
Leu Pro Asp Gly Glu Arg Gly Trp Val Leu Gly Arg Ala Arg Pro Gly
65 70 75 80
Ala Gly
<210> SEQ ID NO: 17
<211> LENGTH: 146
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 17
gcatcagctc cctccagaca gtgcccgtga ccctcctggg gcctagggcc tgcagccggc 60
tgcatgcagc tcctgggggt gatggcagcc ctattctgcc ggggatggtg tgtaccagtg 120
ctgtgggtga gctgcccagc tgtgag 146
<210> SEQ ID NO: 18
<211> LENGTH: 48
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 18

RAW SEQUENCE LISTING DATE: 07/31/2006
PATENT APPLICATION: US/10/538,197 TIME: 14:26:29

Input Set : A:\As filed.txt
Output Set: N:\CRF4\07312006\J538197.raw

```
260 Ile Ser Ser Leu Gln Thr Val Pro Val Thr Leu Leu Gly Pro Arg Ala
261 1               5                   10                  15
263 Cys Ser Arg Leu His Ala Ala Pro Gly Gly Asp Gly Ser Pro Ile Leu
264             20                  25                  30
266 Pro Gly Met Val Cys Thr Ser Ala Val Gly Glu Leu Pro Ser Cys Glu
267         35                  40                  45
270 <210> SEQ ID NO: 19
271 <211> LENGTH: 276
272 <212> TYPE: DNA
273 <213> ORGANISM: Homo sapiens
275 <400> SEQUENCE: 19
276 ggcctgtctg gggcaccact ggtgcatgag gtgaggggca catggttcct ggccgggctg   60
277 cacagcttcg gagatgcttg ccaaggcccc gccaggccgg cggtcttcac cgcgctccct   120
278 gcctatgagg actgggtcag cagtttggac tggcaggtct acttcgccga ggaaccagag   180
279 cccgaggctg agcctggaag ctgcctggcc aacataagta tgtggccccg gggcctcctg   240
280 ccaaaccctg cctctccagg acccttctct ctccag                            276
282 <210> SEQ ID NO: 20
283 <211> LENGTH: 92
284 <212> TYPE: PRT
285 <213> ORGANISM: Homo sapiens
287 <400> SEQUENCE: 20
288 Gly Leu Ser Gly Ala Pro Leu Val His Glu Val Arg Gly Thr Trp Phe
289 1               5                   10                  15
291 Leu Ala Gly Leu His Ser Phe Gly Asp Ala Cys Gln Gly Pro Ala Arg
292             20                  25                  30
294 Pro Ala Val Phe Thr Ala Leu Pro Ala Tyr Glu Asp Trp Val Ser Ser
295         35                  40                  45
297 Leu Asp Trp Gln Val Tyr Phe Ala Glu Glu Pro Glu Pro Glu Ala Glu
298     50                  55                  60
300 Pro Gly Ser Cys Leu Ala Asn Ile Ser Met Trp Pro Arg Gly Leu Leu
301 65                  70                  75                  80
303 Pro Asn Pro Ala Ser Pro Gly Pro Phe Ser Leu Gln
304                 85                  90
306 <210> SEQ ID NO: 21
307 <211> LENGTH: 1701
308 <212> TYPE: DNA
309 <213> ORGANISM: Homo sapiens
311 <400> SEQUENCE: 21
312 atgaagtggt gctggggccc agtgctgctc atcgcgggtg ccacagtcct catggagggt   60
313 cttcaagccg ctcagcgtgc ctgtggacag cgtggccccg gccccccccaa gcctcaggag   120
314 ggcaacacag tccctggcga gtggccctgg caggccagtg tgaggaggca aggagcccac   180
315 atctgcagcg gctccctggt ggcagacacc tgggtcctca ctgctgccca ctgctttgaa   240
316 aaggcagcag caacagaact gaattcctgg tcagtggtcc tgggttctct gcagcgtgag   300
317 ggactcagcc ctggggccga agaggtgggg gtggctgccc tgcagttgcc cagggcctat   360
318 aaccactaca gccagggctc agacctggcc ctgctgcagc tcgcccaccc cacgacccac   420
319 acacccctct gcctgcccca gcccgcccat cgcttccct ttggagcctc ctgctgggcc   480
320 actggctggg atcaggacac cagtgatgct cctgggaccc tacgcaatct gcgcctgcgt   540
321 ctcatcagtc gccccacatg taactgtatc tacaaccagc tgcaccagcg acacctgtcc   600
322 aacccggccc ggcctgggat gctatgtggg ggcccccagc ctggggtgca gggcccctgt   660
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VERIFICATION SUMMARY DATE: 07/31/2006
PATENT APPLICATION: **US/10/538,197** TIME: 14:26:30

Input Set : **A:\As filed.txt**
Output Set: **N:\CRF4\07312006\J538197.raw**

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date